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RAW SEQUENCE LISTING   DATE: 07/03/2002
PATENT APPLICATION: US/09/846,033B   TIME: 12:44:00

Input Set : A:\SUB194965820.app
Output Set: N:\CRF3\07032002\I846033B.raw

```
 4 <110> APPLICANT: Rebar, Edward
 5        Jamieson, Andrew
 6        Liu, Qiang
 7        Liu, Pei-Qi
 8        Wolffe, Alan
 9        Eisenberg, Stephen P.
10        Jarvis, Eric
11        Sangamo BioSciences, Inc.
13 <120> TITLE OF INVENTION: Regulation of Angiogenesis With Zinc
14        Finger Proteins
16 <130> FILE REFERENCE: 019496-005820US
18 <140> CURRENT APPLICATION NUMBER: US 09/846,033B
19 <141> CURRENT FILING DATE: 2001-04-30
21 <150> PRIOR APPLICATION NUMBER: US 09/733,604
22 <151> PRIOR FILING DATE: 2000-12-07
24 <150> PRIOR APPLICATION NUMBER: US 09/736,083
25 <151> PRIOR FILING DATE: 2000-12-12
27 <160> NUMBER OF SEQ ID NOS: 252
29 <170> SOFTWARE: FastSEQ for Windows Version 3.0
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 9
33 <212> TYPE: DNA
34 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: target
39 <400> SEQUENCE: 1
40  atggacggg                                              9
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 9
44 <212> TYPE: DNA
45 <213> ORGANISM: Artificial Sequence
47 <220> FEATURE:
48 <223> OTHER INFORMATION: target
50 <400> SEQUENCE: 2
51  kggggctgg                                              9
53 <210> SEQ ID NO: 3
54 <211> LENGTH: 9
55 <212> TYPE: DNA
56 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: target
61 <400> SEQUENCE: 3
62  gagkgkgyg                                              9
```

RAW SEQUENCE LISTING   DATE: 07/03/2002
PATENT APPLICATION: US/09/846,033B   TIME: 12:44:00

Input Set : A:\SUB194965820.app
Output Set: N:\CRF3\07032002\I846033B.raw

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 64 <210> SEQ ID NO: 4
 65 <211> LENGTH: 9
 66 <212> TYPE: DNA
 67 <213> ORGANISM: Artificial Sequence
 69 <220> FEATURE:
 70 <223> OTHER INFORMATION: target
 72 <400> SEQUENCE: 4
 73  gggggaggw                                                      9
 75 <210> SEQ ID NO: 5
 76 <211> LENGTH: 9
 77 <212> TYPE: DNA
 78 <213> ORGANISM: Artificial Sequence
 80 <220> FEATURE:
 81 <223> OTHER INFORMATION: target
 83 <400> SEQUENCE: 5
 84  ggdtggggg                                                      9
 86 <210> SEQ ID NO: 6
 87 <211> LENGTH: 9
 88 <212> TYPE: DNA
 89 <213> ORGANISM: Artificial Sequence
 91 <220> FEATURE:
 92 <223> OTHER INFORMATION: target
 94 <400> SEQUENCE: 6
 95  arggggag                                                       9
 97 <210> SEQ ID NO: 7
 98 <211> LENGTH: 9
 99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: target
105 <400> SEQUENCE: 7
106  tgggcagac                                                      9
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 9
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: target
116 <400> SEQUENCE: 8
117  tgggggtgg                                                      9
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 9
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: target
127 <400> SEQUENCE: 9
128  atggacggg                                                      9
130 <210> SEQ ID NO: 10
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RAW SEQUENCE LISTING   DATE: 07/03/2002
PATENT APPLICATION: **US/09/846,033B**   TIME: 12:44:00

Input Set : **A:\SUB194965820.app**
Output Set: **N:\CRF3\07032002\I846033B.raw**

```
131 <211> LENGTH: 9
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: target
138 <400> SEQUENCE: 10
139  gyaggggcc                                                          9
141 <210> SEQ ID NO: 11
142 <211> LENGTH: 9
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: target
149 <400> SEQUENCE: 11
150  gdggaaghc                                                          9
152 <210> SEQ ID NO: 12
153 <211> LENGTH: 9
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: target
160 <400> SEQUENCE: 12
161  akggaaggg                                                          9
163 <210> SEQ ID NO: 13
164 <211> LENGTH: 9
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: target
171 <400> SEQUENCE: 13
172  gccggggag                                                          9
174 <210> SEQ ID NO: 14
175 <211> LENGTH: 9
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: target
182 <400> SEQUENCE: 14
183  ggggaggvk                                                          9
185 <210> SEQ ID NO: 15
186 <211> LENGTH: 9
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: target
193 <400> SEQUENCE: 15
194  ggggaggvk                                                          9
196 <210> SEQ ID NO: 16
197 <211> LENGTH: 9
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RAW SEQUENCE LISTING   DATE: 07/03/2002
PATENT APPLICATION: US/09/846,033B   TIME: 12:44:00

Input Set : A:\SUB194965820.app
Output Set: N:\CRF3\07032002\I846033B.raw

```
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: target
204 <400> SEQUENCE: 16
205  ggggaggvk                                                      9
207 <210> SEQ ID NO: 17
208 <211> LENGTH: 9
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: target
215 <400> SEQUENCE: 17
216  ggggaggat                                                      9
218 <210> SEQ ID NO: 18
219 <211> LENGTH: 9
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: target
226 <400> SEQUENCE: 18
227  ggggvggat                                                      9
229 <210> SEQ ID NO: 19
230 <211> LENGTH: 9
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: target
237 <400> SEQUENCE: 19
238  ggggaggmt                                                      9
240 <210> SEQ ID NO: 20
241 <211> LENGTH: 9
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: target
248 <400> SEQUENCE: 20
249  gawgggggc                                                      9
251 <210> SEQ ID NO: 21
252 <211> LENGTH: 9
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: target
259 <400> SEQUENCE: 21
260  atgggggtg                                                      9
262 <210> SEQ ID NO: 22
263 <211> LENGTH: 9
264 <212> TYPE: DNA
```

```
        265 <213> ORGANISM: Artificial Sequence
        267 <220> FEATURE:
        268 <223> OTHER INFORMATION: target
        270 <400> SEQUENCE: 22
        271  gggggctgg                                                        9
        273 <210> SEQ ID NO: 23
        274 <211> LENGTH: 9
        275 <212> TYPE: DNA
        276 <213> ORGANISM: Artificial Sequence
        278 <220> FEATURE:
        279 <223> OTHER INFORMATION: target
W--> 281 <221> NAME/KEY: misc_feature
        282 <222> LOCATION: (9)...(9)
        283 <223> OTHER INFORMATION: n = g, a, c, or t
W--> 285 <400> 23
W--> 286  gdgtggggn                                                          9
        288 <210> SEQ ID NO: 24
        289 <211> LENGTH: 9
        290 <212> TYPE: DNA
        291 <213> ORGANISM: Artificial Sequence
        293 <220> FEATURE:
        294 <223> OTHER INFORMATION: target
        296 <400> SEQUENCE: 24
        297  gggggcgct                                                        9
        299 <210> SEQ ID NO: 25
        300 <211> LENGTH: 9
        301 <212> TYPE: DNA
        302 <213> ORGANISM: Artificial Sequence
        304 <220> FEATURE:
        305 <223> OTHER INFORMATION: target
        307 <400> SEQUENCE: 25
        308  gctgggggc                                                        9
        310 <210> SEQ ID NO: 26
        311 <211> LENGTH: 9
        312 <212> TYPE: DNA
        313 <213> ORGANISM: Artificial Sequence
        315 <220> FEATURE:
        316 <223> OTHER INFORMATION: target
        318 <400> SEQUENCE: 26
        319  gggggtgac                                                        9
        321 <210> SEQ ID NO: 27
        322 <211> LENGTH: 9
        323 <212> TYPE: DNA
        324 <213> ORGANISM: Artificial Sequence
        326 <220> FEATURE:
        327 <223> OTHER INFORMATION: target
        329 <400> SEQUENCE: 27
        330  gggggtgac                                                        9
        332 <210> SEQ ID NO: 28
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 07/03/2002
·PATENT APPLICATION: **US/09/846,033B**   TIME: 12:44:01

Input Set : **A:\SUB194965820.app**
Output Set: **N:\CRF3\07032002\I846033B.raw**

<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:23; N Pos. 9
Seq#:206; N Pos. 1,26
Seq#:208; Xaa Pos. 2,3,4,5,7,8,9,10,11,12,13,14,15,16,17,18,20,21,22,23,24
Seq#:228; N Pos. 1,25
Seq#:231; N Pos. 1,24
Seq#:234; N Pos. 1,26

VERIFICATION SUMMARY   DATE: 07/03/2002
PATENT APPLICATION: **US/09/846,033B**   TIME: 12:44:01

Input Set : **A:\SUB194965820.app**
Output Set: **N:\CRF3\07032002\I846033B.raw**

```
L:281 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:285 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:23
L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:2454 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2458 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:206
L:2462 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:206
L:2463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206 after pos.:0
L:2485 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2490 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:208
L:2494 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:208
L:2499 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:208
L:2500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:208 after pos.:0
L:2502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:208 after pos.:16
L:2767 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2771 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:228
L:2775 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:228
L:2776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:228 after pos.:0
L:2808 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2812 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:231
L:2816 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:231
L:2817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:231 after pos.:0
L:2849 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2853 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:234
L:2857 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:234
L:2858 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:234 after pos.:0
```